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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,357	02/26/2002	Kari Hotakainen	P 290676 2990620US/Pg/kp	9720
909	7590	05/19/2005	EXAMINER	
PILLSBURY WINTHROP SHAW PITTMAN, LLP P.O. BOX 10500 MCLEAN, VA 22102			AMINZAY, SHAIMA Q	
			ART UNIT	PAPER NUMBER
			2684	

DATE MAILED: 05/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/082,357	HOTAKAINEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Shaima Q. Aminzay	2684	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 November 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-16 is/are allowed.
- 6) ☒ Claim(s) 1 and 6-8 is/are rejected.
- 7) ☒ Claim(s) 2-5 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## ***DETAILED ACTION***

### ***Response to Amendment***

1. The following office action is in response to Amendment, November 16, 2004.

Claims 1-16 are pending.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, and 6-8 are rejected under 35 U.S.C.103(a) as being unpatentable over Park (Park U. S. Patent 6,684,078 B1) in view of Chang (Chang et al. U. S. Patent 6,167,279).

4. Regarding claim 1, Park discloses a method for processing location information in [an intelligent] network system connected to a telecommunication system (see for example, Figure 1, column 1, lines 6-12, column 2, lines 49-59, network connected to the telecommunication system), especially to a mobile communication system (see for example, Figure 1, column 1, lines 6-12, column 2, lines 49-59), the location information being composed of digits (see for

example, Figures 4, 5a, 5b, column 4, lines 26-68 continued to column 5, lines 1-19), the method comprising attaching a symbol to each digit of the location information to indicate the relevance of said digit to the processing purpose (see for example, Figures 4, 5a, 5b, column 4, lines 26-68 continued to column 5, lines 1-19) , and processing at least one digit of the location information indicated to be relevant according to predefined commands (see for example, Figures 4, 5a, and 5b, column 5, lines 30-45, column 6, lines 23-31).

Park does not specifically disclose intelligent network, however, Park, teaches a method for processing location information in a network system connected to a telecommunication system (see for example, Figure 1, column 1, lines 6-12, column 2, lines 49-59, network connected to the telecommunication system).

In a related art dealing with processing location information in a network (see for example, column 1, lines 6-12, lines 23-33, column 2, lines 29-44), Chang discloses processing information in an intelligent network system (see for example, column 2, lines 37-44, column 4, lines 33-39, column 8, line 8-39, lines 45-55).

It would have been obvious to one of ordinary skill in the art at the time invention was made to include Chang's intelligent network control to Park's data communications and location information processing in a telecommunication system to provide a system supporting mobility management function with an intelligent network capabilities (Chang; column 2, lines 29-60).

Regarding claim 6, Park in view of Chang discloses all the limitations in claim 1, and further, Chang teaches wherein said telecommunication system is a GSM system and said location information is a CGI code (see for example, column 8, lines 1-9, lines 15-39, and lines 45-55, the GSM system and CGI code and intelligent network).

Regarding claim 7, Park in view of Chang discloses all the limitations in claim 1, and further, Chang teaches wherein said method is implemented in connection with Localized GSM Services (see for example, column 8, lines 1-9, lines 15-39, and lines 45-55, the GSM system and CGI code and intelligent network).


Regarding claim 8, Park in view of Chang discloses all the limitations in claim 1, and further, Park teaches wherein said symbols are presented by bits (see for example, Figures 4, 5a, 5b).

### ***Allowable Subject Matter***

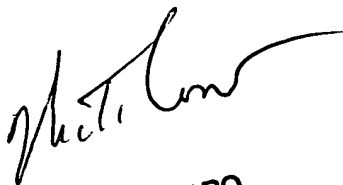
5. Claims 9-16 are allowed.
6. Claims 2-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882, the primary examiner, Nick Corsaro can be reached on 571-272-7876. The fax number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Shaima Q. Aminzay  
(Examiner)

May 2, 2005

  
NICK CORSARO  
PRIMARY EXAMINER

  
Nay Maung  
(SPE)  
Art Unit 2684